

Optimus Yellow Sound Level Meter



Features

- Simultaneous measurement of all parameters
- OSHA occupational noise parameters
- Color display
- 120 dB measurement range
- Bluetooth connection to mobile app

Applications

- OSHA occupational noise survey
- Basic noise surveys
- Noise ordinance enforcement
- Fire alarm testing
- Office noise checks

Optimus Yellow

The Optimus Yellow is a calibrated, professional grade sound level meter for noise measurements that must meet the relevant international standards. Despite being a powerful meter, it is extremely easy to use, ensuring you get the correct measurements from the start.

The Optimus range of sound level meters uses the latest display technology and digital signal processing (DSP) techniques to provide you with a very powerful yet easy to use meter. The ease of use comes from the fact that all parameters are automatically measured at the same time, so no need to think about what you need in the split second before starting the measurement.

Making Noise Measurements

Making measurements usually consists of checking the calibration (adjustments are automatic) and then taking the readings.

Future Upgrade

Not sure if you need data logging? Maybe you don't know at this stage whether you might need an Integrating sound level meter. It could even be that eventually you may need octave band filters.

These features can be added at a later date. Some can even be fitted without returning the meter to the factory by remote update.

We can even change the meter from Type 2 to Type 1, although of course it must be returned for this upgrade.

Visit the **Options** tab for more details.

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Specifications

| | | | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards | IEC 61672-1:2013 Class 1 or Class 2 IEC 61672-1:2002 Class 1 or Class 2 Group X IEC 60651:2001 Type 1 I or Type 2 I ANSI S1.4 -1983 (R2006), ANSI S1.43 - 1997 (R2007) ANSI S1.25:1991 | Connections | USB Type B to PC AC & DC Output via ZL:174 (2 x Phono, 1m) Multi-pin IO for external power via ZL:171 cable (2.1mm socket) External Power: 5v-15v via MultiIO socket via ZL:171 cable (2.1mm socket) |
| Microphone | Class 1 MK:224 pre-polarized, Class 2 MK:216 pre-polarized | Tripod Mount Case | 1/4" Whitworth socket Material: High Impact ABS-PC with soft touch back & keypad |
| Measurement Range | 20dB to 140dB RMS Single Range | Environmental | Temperature: Operating -10°C to +50°C, Storage -20°C to +60°C |
| Noise Floor | <18dB(A) Class 1, <21dB(A) Class 2 | | |
| Frequency Weightings | RMS & Peak : A, C, & Z Measured Simultaneously | | Humidity: Up to 95% RH Non Condensing |
| Time Weightings | Fast, Slow & Impulse Measured Simultaneously | Electromagnetic performance | IEC 61672-1:2002 & IEC 61672-2:2003 Except where modified by EN 61000-6-1:2007 & EN 61000-6-1:2007 |
| Display | High resolution display. Ambient light sensor & illuminated keypad | | English, French, German, Spanish. Other language options may be available |
| Dimensions | Size: 283mm x 65mm x 30mm | Language options | |
| Weight | 300gms/10oz | Displayed Functions | LXY, LXYMax, LXYMin, Run Time |
| Power | 4 x AA Alkaline Typically 12 hours with Alkaline AA Typically 20 hours with Lithium AA Non-Rechargeable External Power: 5v-15v via MultiIO socket via ZL:171 cable (2.1mm socket) | | where x=A ,C ,Z; y= F, S, I |

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<https://www.noisemeters.com>

Product shortcut:
<https://www.noisemeters.com/p/cr152a/>

Tech Support:
<https://support.noisemeters.com>